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(71) Applicant (for all designated States except US): **COMPOSITE TECHNOLOGY CORPORATION** [US/US];
2026 McGaw Ave., Irvine, CA 92614 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HIEL, Clement** [US/US]; 32526 Seahill Drive, Rancho Palos Verdes, CA 90275 (US). **KORZENIOWSKI, George** [US/US]; 5140 Alhama Drive, Woodland Hills, CA 91364 (US).

BRYANT, David [US/US]; 1145 Saling Way, Laguna Beach, CA 92651 (US).

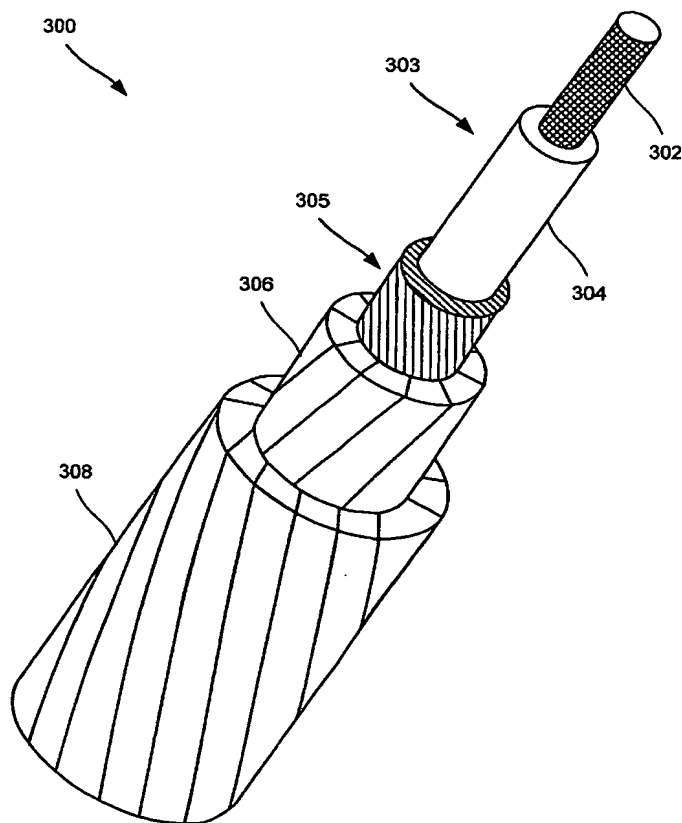
(74) Agent: **DE LA TORRE, Kelly**; The McIntosh Group, 8000 East Prentice Ave., Suite B-6, Greenwood Village, CO 80111 (US).

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(54) Title: **ALUMINUM CONDUCTOR COMPOSITE CORE REINFORCED CABLE AND METHOD OF MANUFACTURE**



(57) Abstract: This invention relates to an aluminum conductor composite core reinforced cable (ACCC) and method of manufacture. An ACCC cable (300) has a composite core surrounded by an outer film (305) and at least one layer of aluminum conductor (306). The composite core (303) comprises a plurality of fibers from at least one fiber type in one or more matrix materials. According to the invention, unique processing techniques such as a B-Staging and / or film-coating techniques can be used to increase production rates from a few feet per minute to sixty or more feet per minute.

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